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10/15/2003 02 42 PM

To Sandra Bron, Clair Morris, Nabil Fayoumi, Ning Li, Peter Barrett, "Yare, Bru

Subject Note Weekly Construction Meeting - October 14, 2003

Here is a summary of the October 14 meeting Please let me know if you have any additions/corrections

Gary
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Attendees:
Barrett, Peter - via teleconference
Bron, Sandra - via teleconference
Fayoumi, Nabil - via teleconference
Tiltges, Dan
Vandiver, Gary
Williams, Richard

Safety

- No injuries The site is approaching 10,000 manhours without incident

Slurry Wall

- The track hoe has excavated to a maximum depth of 90-95 feet from station 2 7+50 to about 21+ 90 The lead in trench is complete to bedrock and an additional ~ 200 feet is complete to bedrock Inquip is about two weeks behind schedule The mechanical problems with the second clam were repaired and it was back in operation on Monday Inquip and Solutia have decided to bring in a third clamshel in order to get back on schedule This clamshell will be a mechanical clam and will be used primarily to break up boulders and clean the bottom of the trench, but will excavate when available The buckets for the mechanical clam are more readily available which will minimize downtime for repairs The third clamshell is expected to be operational by Monday October 20 ~ 40 yards of backfilling has been completed Backfill is currently being done about every 3 days to prevent catching up with the excavation This is because the backfill has a much flatter profile than the lead-in trench Eventually backfilling will occur every day
- Working with Ameren, Eagle Marine and Con Agra on the power line relocation at the south leg The wall will be angled open by a few degrees to move away from the high voltage power line support platform A Technical Memo and revised layout is being prepared Inquip will not be working on the south leg for several more weeks The relocation of the low voltage power lines should be complete this week A temporary fence will be installed this week so that the existing fence at the south end of the site can be removed where it crosses the trench alignment
- The trench stability analysis tech memo will be submitted by October 16 The wick drains have been installed except in an area of apparent fly ash cementation A drill rig will be brought in to perform borings to determine if wick drains are needed or if the cemented area provides adequate support If necessary, holes will be drilled through the hard area so wick drains can be installed
- Test trenches along the south leg of the slurry wall alignment exposed landfilled materials consisting of tires, inner tubes, o-rings, wood, metal, drum remnants, and styrofoam type material This alignment goes through part of the Site Q landfill sand the slurry cannot be moved to avoid this area Extra caution will be used during excavation to protect personnel The materials will be disposed in the spoils area
- EPA requested a memo describing changes to the slurry wall.

Spoils Handling

- The berm in the spoils handling area is nearly complete
- There will be an increase in spoils beyond the original estimate because dry bentonite or clean clay will be added to the backfill in order to achieve 1 x 10-7 permeability, because fly ash cannot be used for backfill When dry bentonite is used an addition rate of 3% is required If clay from a

borrow source is used the expectation is that 10-15% will be required
- A Technical Memo is being prepared to communicate the estimate of final spoils volume
- There will be some excavated soils that will be temporarily stored and then reused in backfill

Box Culvert

- The plan was to install a steel plate over the end of the box culvert outlet to contain any potential slurry leakage during excavation However, the Agencies are concerned about the penetration of the box culvert through the slurry wall and asked for a Technical Memo on the options to cut off or plug the box culvert The steel plate will still be installed as planned It will not prevent any other actions which may be required The tech memo is in preparation

Stormwater Management

- A stormwater discharge sampling plan will be submitted this week
- Stormwater collected on the site has been pumped to the northern storage tank There is a significant amount of sediment A flocculation system will be added to remove solids before pumping to the filter skid in order to prevent filter pluggage with bentonite Advent is designing the system The flocculation design will be submitted as soon as completed by Advent

GMCS Pumping System

- Continuing to pump at 1250 gpm Performance will be reviewed by ABRWTF after ~ 30 days at this rate and flow will be increased again when approved by ABRWTF

Action Items - Attached A permanent action item list will be maintained from this point forward

Next meeting

- Tuesday October 21 @ 10 00 am

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[redacted] SW Action Items xls

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